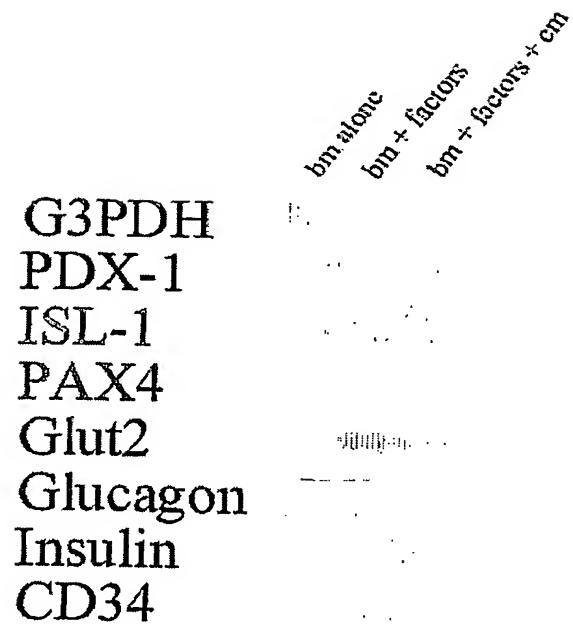
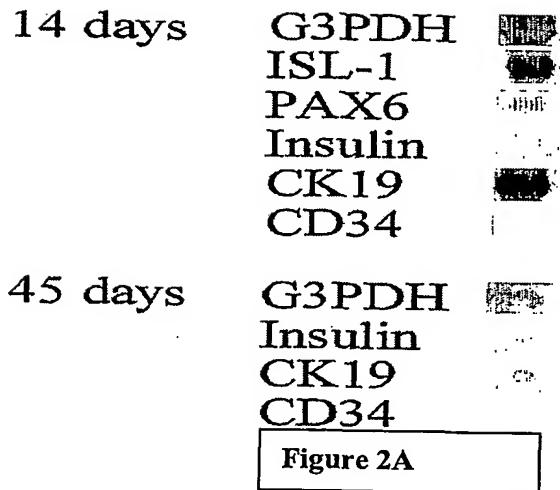


Figure 1. Morphology of HSCs and MSCs in the culture.

BEST AVAILABLE COPY

2/8



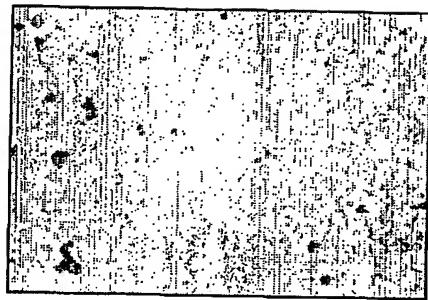


Figure 3A (1 week)
Differentiation into red blood bursts.

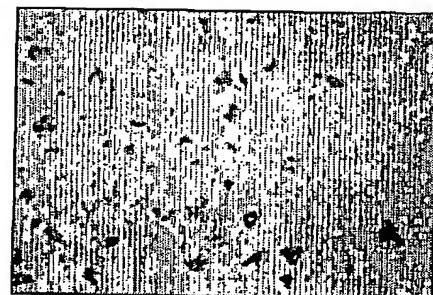


Figure 3B (2 weeks)

4/8



Figure 4. Differentiation into Fat cells.

5/8

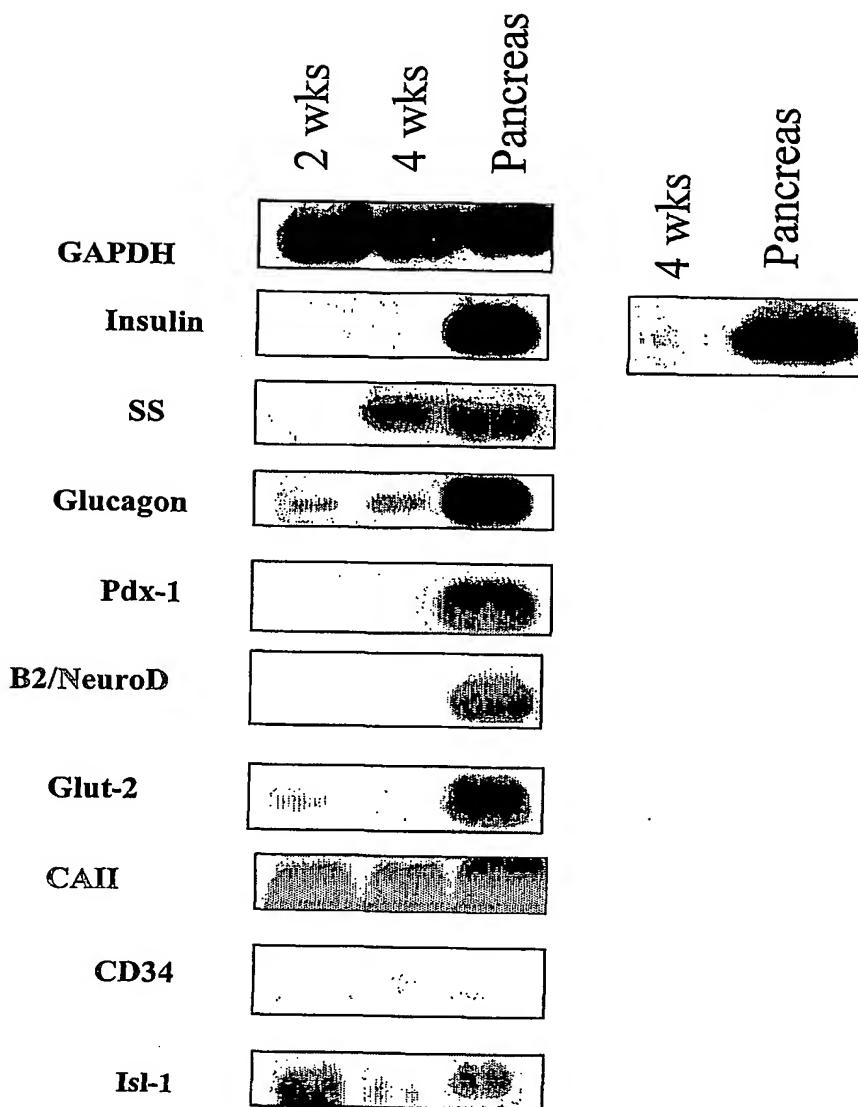


Figure 5. Expression of pancreas/islet development related genes.

6/8

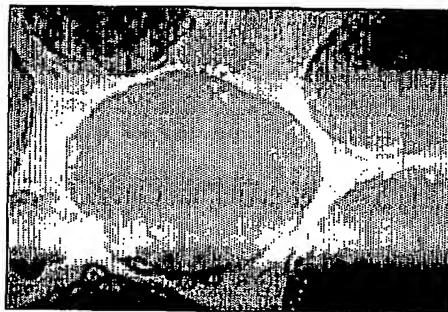
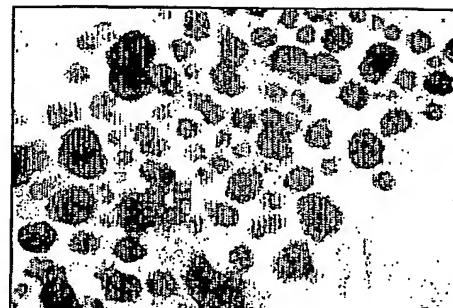
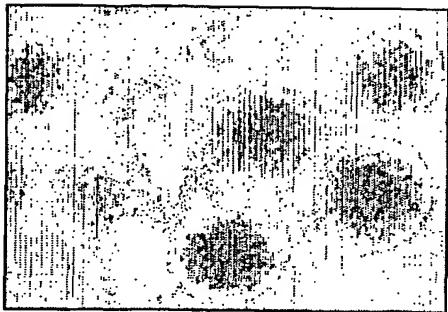


Figure 6. Appearance of clustered MSCs.

7/8

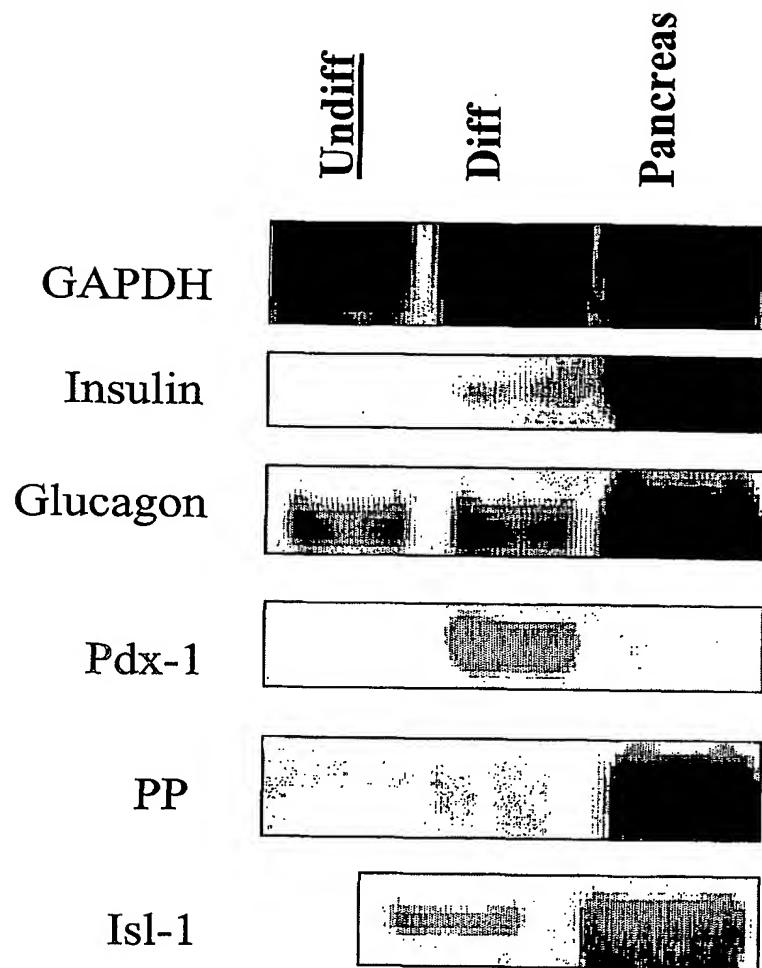


Figure 7. Insulin expression in clusters.

8/8

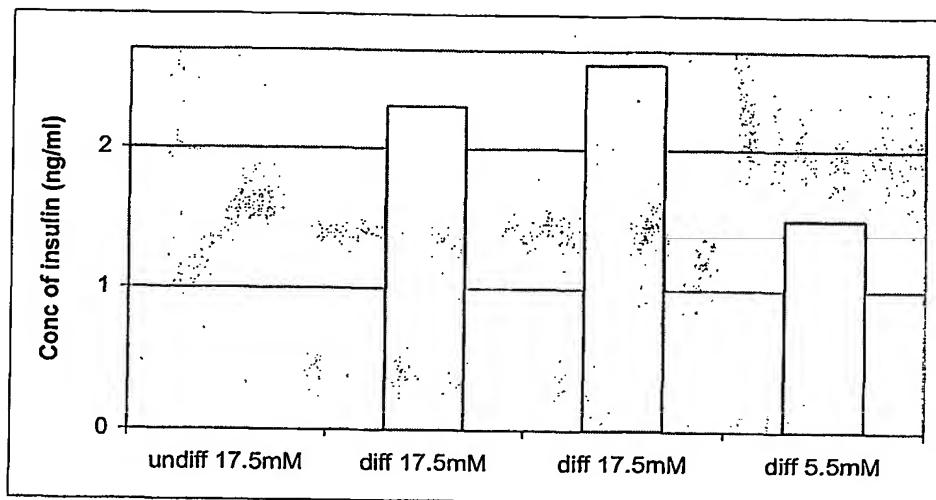


Figure 8. In vitro insulin secretion by differentiated clusters.

This Page is inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- BLACK BORDERS
- IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT OR DRAWING
- BLURED OR ILLEGIBLE TEXT OR DRAWING
- SKEWED/SLANTED IMAGES
- COLORED OR BLACK AND WHITE PHOTOGRAPHS
- GRAY SCALE DOCUMENTS
- LINES OR MARKS ON ORIGINAL DOCUMENT
- REPERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.
As rescanning documents *will not* correct images
problems checked, please do not report the
problems to the IFW Image Problem Mailbox